

Title (en)

FREQUENCY SELECTIVE DAMPER VALVE, AND SHOCK ABSORBER COMPRISING SUCH DAMPER VALVE

Title (de)

FREQUENZSELEKTIVES DÄMPFERVENTIL UND STOSSDÄMPFER MIT SOLCH EINEM DÄMPFERVENTIL

Title (fr)

SOUPAPE D'AMORTISSEMENT SÉLECTIVE EN FRÉQUENCE, ET ABSORBEUR DE CHOCS COMPRENANT UNE TELLE SOUPAPE D'AMORTISSEMENT

Publication

EP 3286451 A1 20180228 (EN)

Application

EP 16733222 A 20160425

Priority

- NL 2014717 A 20150424
- NL 2016050293 W 20160425

Abstract (en)

[origin: WO2016171564A1] A damper valve (100) comprises a controlled flow channel (115) between a valve inlet side (100.1) and a valve outlet side (100.2); a controlled valve (130) provided in the controlled flow channel; a movable valve body (120) acting on the controlled valve so as to change a closing force of the controlled valve; and a control chamber (126). The control chamber comprises a control chamber inlet (125) in fluid connection with the valve inlet side (100.1) upstream of the controlled valve (130); a configuration providing a variable volume of the control chamber, a change in volume of the control chamber acting to cause a movement of the movable valve body (120); and a first flexible wall (140) allowing movement of the movable valve body (120). The first flexible wall provides an effective surface area against which the fluid pressure in the control chamber (126) acts, the effective surface area decreasing upon movement of the movable valve body (120) in a direction outward of the control chamber, the first flexible wall comprising a flex plate (141) bearing against a curved surface (111.1).

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2016171564A1

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NL 2014717 A 20161026; NL 2014717 B1 20170118; PL 3286451 T3 20210308; US 10670105 B2 20200602; US 2018156301 A1 20180607

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